Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A ~~rate-of-change~~ switch which comprises:

a transducer that produces an output signal in response to [[an]] a user input;

a differentiator ~~that is~~ connected to said output signal; and

means, ~~that is~~ connected to said differentiator, for performing a first switching function.

Claim 2 (currently amended): A ~~rate-of-change~~ switch as claimed in Claim 1 in which said transducer comprises a transducer that produces an output signal ~~that is~~ proportional to said input.

Claim 3 (currently amended): A ~~rate-of-change~~ switch as claimed in Claim 1 in which said transducer comprises a transducer that produces an output signal ~~that is~~ proportional to a tilting input.

Claim 4 (currently amended): A ~~rate-of-change~~ switch which comprises:

a transducer that produces an output signal in response to [[an]] a user input;

a first differentiator ~~that is~~ connected to said output signal;

a second differentiator ~~that is~~ connected to said first differentiator; and

means, ~~being that is~~ connected to said second differentiator, for performing a first switching function.

Claim 5 (currently amended): A ~~rate-of-change~~ switch as claimed in Claim 4 which further comprises means, ~~that is~~ connected to said first differentiator, for performing a second switching ~~operation~~ function.

Claims 6-8 (canceled)

Claim 9 (currently amended): A method which comprises:

a) producing an output signal in response to ~~a manual~~ a user input;

b) differentiating said output signal with respect to time; and

c) performing a first switching function in response to said differentiated output signal.

Claim 10 (original): A method as claimed in Claim 9 in which said producing step comprises:

a) attaching a transducer to a person; and

b) body-member actuating said transducer.

Claim 11 (currently amended): A method as claimed in Claim 9 in which:

a) said method further comprises differentiating said output signal ~~of said transducer~~ a second time; and

b) said performing step comprises performing said first switching function in response to said second ~~differentiated output~~ differentiating step.

Claim 12 (currently amended): A method as claimed in Claim 9 in which:

a) said differentiating step comprises differentiating said output signal ~~of said transducer twice with respect to~~ a second time; and

b) said method further comprises performing a second switching function in response to ~~said twice differentiated output~~ said second differentiating step.

Claim 13 (currently amended): A method as claimed in Claim 9 in which said method further comprises:

a) performing said first switching function when said output signal ~~of said transducer~~ is increasing; and

b) performing a second switching function when said output signal ~~of said transducer~~ is decreasing.

Claim 14 (currently amended): A method as claimed in Claim 9 in which said method further comprises:

a) performing said first switching function when said output signal ~~of said transducer~~ is increasing;

b) performing a second switching function when said output signal ~~of said transducer~~ is decreasing; and

c) producing a logic output as a function of both of said switching functions.

Claim 15 (currently amended): A method which comprises:

~~a) attaching a first tilt-sensitive transducer to a person;~~

a) **[[**b)**]]** body-member tilting ~~said~~ a first tilt-sensitive transducer;

b) **[[**c)**]]** producing a first output signal proportional to said ~~body-member~~ tilting step;

c) **[[**d)**]]** differentiating said first output signal with respect to time; and

d) **[[**e)**]]** performing a first switching function in response to said differentiated first output signal.

Claim 16 (currently amended): A method as claimed in Claim 15 in which said method further comprises:

~~a) attaching a second tilt-sensitive transducer to said person;~~

a) **[[**b)**]]** body-member tilting ~~said~~ a second tilt-sensitive transducer;

b) **[[**c)**]]** producing a second output signal proportional to said ~~body-member~~ tilting of said second tilt-sensitive transducer;

c) **[[**d)**]]** differentiating said second output signal with respect to time; and

d) performing a logic output as a function of said first and second differentiated ~~outputs~~ output signals.

Claim 17 (currently amended): A method as claimed in Claim **[[9]]** 15 in which said performing step comprises performing a switching function that includes momentary contact switching, and said method further comprises:

a) initiating a sequential plurality of time delays in which one is a window of opportunity;

b) refraining from said momentary-contact switching step during a first time delay that follows said initiating step;

c) performing said momentary-contact switching step within said window of opportunity that follows said first time delay;

d) refraining from said momentary-contact switching step during a second time delay that follows said window of opportunity; and

e) initiating operation of a first electrical device subsequent to successful completion of the preceding steps.

Claim 18 (canceled)

Claim 19 (previously amended): A method as claimed in Claim 17 in which said method further comprises:

a) momentary-contact switching during said second time delay; and

b) initiating operation of a second electrical device in response to said momentary-contact switching step occurring during said second time delay.

Claims 20 - 30 (canceled)

Claim 31 (currently amended): A method which comprises:

a) body-member actuating a transducer;

b) producing an output signal proportional to said body-member actuating step; and

c) performing a switching function in response to a rate-of-change of said output signal.

Claim 32 (currently amended): A method as claimed in Claim 31 in which:

a) said producing step comprises producing an output signal that increases and decreases; and

b) said performing step comprises performing said switching function whenever said rate-of-change of said increasing output signal reaches a predetermined magnitude.

Claim 33 (currently amended): A method as claimed in Claim 31 in which:

a) said producing step comprises producing an output signal that increases and decreases; and

b) said performing step comprises performing said switching function whenever said rate-of-change of said decreasing output signal reaches a predetermined magnitude.

Claim 34 (currently amended): A method as claimed in Claim 31 in which said method further comprises ~~proportionally~~ controlling ~~a function of~~ an apparatus in response to said ~~switching function~~ output signal.

Claim 35 (currently amended): A method as claimed in Claim 31 in which said method further comprises activating control of [[an]] any apparatus in response to said switching function.

Claim 36 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises activating ~~proportional~~ control of an apparatus in response to said switching function.

Claim 37 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises ~~activating proportional control of~~ controlling an apparatus ~~by said proportional output~~ in response to said ~~switching function~~ output signal.

Claim 38 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises activating control of an apparatus in response to said switching function being performed inside a window of opportunity.

Claim 39 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) activating control of an apparatus in response to said switching function being performed inside a window of opportunity; and

b) aborting said activating step in response to said switching ~~step~~ function being performed outside said window of opportunity.

Claim 40 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises activating a shut-down function of an apparatus in response to said switching function.

Claim 41 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises activating a selected one of a first or a second apparatus in response to said switching function.

Claim 42 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) activating a selected one of a first or a second apparatus in response to performing said switching function during a window of opportunity; and

b) proportionally controlling a function of said selected apparatus as a function of said proportional output signal.

Claim 43 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) activating a selected one of a first or a second apparatus in response to [[a]] performing said switching function during a window of opportunity;

b) selecting a function of said selected apparatus to be controlled; and

c) said selecting step comprises performing ~~another~~ an other switching function.

Claim 44 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) activating a selected one of a first or a second apparatus in response to performing said switching function during a window of opportunity;

b) selecting a function of said selected apparatus to be controlled;

c) said selecting step comprises performing ~~another~~ an other switching function;

d) controlling said selected function; and

e) said controlling step comprises performing still ~~another~~ an other switching function.

Claim 45 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) initiating cascading a plurality of task opportunities;

b) selecting a task; and

c) said selecting step comprises performing said switching function.

Claim 46 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) initiating cascading a plurality of task opportunities;

b) selecting a task;

c) said selecting step comprises performing said switching function;

d) selectively controlling said task; and

e) said selective controlling step comprises performing ~~another~~ an other switching function.

Claim 47 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) initiating cascading [[of]] a plurality of task opportunities; and

b) said initiating step comprises performing said switching function.

Claim 48 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) initiating cascading [[of]] a plurality of task opportunities;

b) said initiating step comprises performing said switching function;

c) selecting a task; and

d) said selecting step comprises performing ~~another~~ an other switching function.

Claim 49 (currently amended): A method as claimed in Claim [[31]] 76 in which said method further comprises:

a) initiating cascading [[of]] a plurality of task opportunities;

b) said initiating step comprises performing said switching function;

c) selecting a task;

d) said selecting step comprises performing ~~another~~ an other switching function;

e) selectively controlling said task; and

f) said selective controlling step comprises performing still ~~another~~ an other switching function.

Claim 50 (currently amended): A method which comprises:

a) body-member producing first and second proportional ~~outputs~~ output signals; and

b) controlling both first and second proportional functions and a switching function of an apparatus in response to said ~~outputs~~ output signals.

Claim 51 (previously added): A method as claimed in Claim 50 in which said controlling step of said switching function comprises differentiating one of said ~~outputs~~ output signals.

Claim 52 (currently amended): A method as claimed in Claim 50 in which:

a) said body-member producing step comprises producing ~~outputs~~ output signals that change in both increasing and decreasing directions; and

b) said controlling step further comprises ~~performing~~ controlling said switching function in response to a rate-of-change of one of said ~~outputs~~ output signals that exceeds a predetermined magnitude when said one output signal is changing in a selected one of said directions.

Claims 53-61 (canceled)

Claim 62 (currently amended): A switch which comprises:
a mechanical-to-electrical transducer;
a differentiator ~~that is~~ connected to said transducer; and
a comparator ~~that is~~ connected to said differentiator.

Claim 63 (currently amended): A switch which comprises:
a transducer that produces ~~an output~~ increasing and decreasing output signals proportional to ~~an input~~ user actuation in first and second directions; and
means, ~~that is connected to said transducer,~~ for producing a second switching function ~~whenever~~ in response to a predetermined rate-of-change of said output ~~in a selected direction reaches a predetermined magnitude~~ signal produced by user actuation of said transducer in one of said directions.

Claims 64-73 (canceled)

Claim 74 (new): A switch as claimed in Claim 63 in which said switch comprises means, for producing a second switching function in response to a predetermined rate-of-change of said output signal produced by user actuation of said transducer in the other of said directions.

Claim 75 (new): A switch as claimed in Claim 63 in which:
said switch comprises means for producing a second switching function in response to a predetermined rate-of-change of said output signal produced by user actuation of said transducer in the other of said directions; and

said switch further comprises means, for producing a third switching function.

Claim 76 (new): A method which comprises:

a) producing an output signal;

b) selectively performing a switching function in response to said output signal;

c) preventing variations in said output signal from performing said switching function; and

d) performing said switching function in response to a predetermined rate-of-change of said output signal.

Claim 77 (new): A method as claimed in Claim 76 in which said producing step comprises actuating an input.

Claim 78 (new): A method as claimed in Claim 76 in which said producing step comprises body-member actuating an input.

Claim 79 (new): A method as claimed in Claim 76 in which said performing step further comprises selectively adjusting said predetermined rate-of-change of said output signal.

Claim 80 (new): A method as claimed in Claim 76 in which said performing step comprises differentiating said output signal.

Claim 81 (new): A method which comprises:

a) producing an output signal that is a function of an input;

b) controlling an apparatus in response to said output signal; and

c) performing a switching function in response to a predetermined rate-of-change of said output signal.

Claim 82 (new): A method as claimed in Claim 81 in which said producing step comprises body-member actuating said input.

Claim 83 (new): A method as claimed in Claim 81 in which said performing step further comprises selectively adjusting said predetermined rate-of-change of said output signal.

Claim 84 (new): A method as claimed in Claim 81 in which said performing step comprises differentiating said output signal.

Claim 85 (new): A method which comprises:

a) performing a body-member gesture;

b) controlling an output signal in response to said body-member gesture;

c) maintaining a switch output status irrespective of said body-member gesture; and

d) changing said switch output status in response to a predetermined velocity of said performing step.

Claim 86 (new): A method as claimed in Claim 85 in which said method further comprises controlling an apparatus in response to said body-member gesture.

Claim 87 (new): A method as claimed in Claim 85 in which said method further comprises selectively adjusting said predetermined velocity of said performing step.

Claim 88 (new): A method as claimed in Claim 85 in which said changing step comprises differentiating said output signal.

Claim 89 (new): A method which comprises:

a) performing a body-member gesture;

b) controlling an output signal in response to said body-member gesture;

c) maintaining a switch output status irrespective of said controlling step; and

d) changing said switch output status in response to a predetermined rate-of-change of said output signal.

Claim 90 (new): A method as claimed in Claim 89 in which said method further comprises initiating control of an apparatus in response to said output signal.

Claim 91 (new): A method as claimed in Claim 89 in which said method further comprises controlling an apparatus in response to said output signal.

Claim 92 (new): A method as claimed in Claim 89 in which:

a) said performing step comprises increasing and decreasing said output signal; and

b) said changing step comprises changing said switch output status in response to said increasing output signal.

Claim 93 (new): A method as claimed in Claim 89 in which:

a) said performing step comprises increasing and decreasing said output signal; and

b) said changing step comprises changing said switch output status in response to said decreasing output signal.

Claim 94 (new): A method as claimed in Claim 89 in which:

a) said performing step comprises producing increasing and decreasing output signals;

b) said changing step comprises changing said switch output status in response to said increasing output signal; and

c) said method further comprises performing an other switching function in response to said decreasing output signal.

Claim 95 (new): A method as claimed in Claim 89 in which said changing step comprises differentiating said output signal.